



Office of General Services

DESIGN & CONSTRUCTION GROUP
THE GOVERNOR NELSON A. ROCKEFELLER
EMPIRE STATE PLAZA
ALBANY, NY 12242

ADDENDUM NO. 2 TO PROJECT NO. 45884

ELECTRICAL WORK PROVIDE FIRE ALARM VARIOUS OGS FACILITIES

July 31, 2023

<p>NOTE: This Addendum forms a part of the Contract Documents. Insert it in the Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form.</p>
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ELECTRICAL WORK

1. SECTION 078100 APPLIED FIREPROOFING: Add the accompanying section (pages 078100 – 1 to 078100 – 5) to the Project Manual.
2. SECTION 095153 ACOUSTICAL CEILING SYSTEMS: Add the accompanying section (pages 095153 – 1 to 095153 – 3) to the Project Manual.
3. Page 271525 – 4, Paragraph 2.01 A: Change Paragraph to Read:

“A. Type LAN-O: 6 optical fibers, tight buffer, suitable for indoor use as OFNP plenum type cable and outdoors for aerial and underground applications. Corning Optical Communications FREEDM”
4. Page 271525 – 5, Article 3.02: Add Paragraph D to Read:

“D. Provide connectors for termination at the fiberoptic patch panels”

APPENDIX

5. BDC 406: Discard the BDC 406 bound in the Project Manual and use the accompanying BDC 406 (pages 1 – 2) dated 07/21/2023.
6. BDC 406.1: Discard the BDC 406.1 bound in the Project Manual and use the accompanying BDC 406.1 (pages 1 – 7) dated 07/21/2023.

DRAWINGS

7. Drawing No. G-003:
 - a. Detail 7, Change General Note A. to Read:

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- “A. Provide vertical hanger rods or wire from each ceiling mounted device support bridge for direct structural support of device.”
- 8. Drawing No. A-FA-104:
 - a. KEYED NOTE column, Change Keyed Note 4 to Read:
 - “4. Provide control relays to existing combination fire/smoke dampers. Existing dampers to remain”
- 9. Drawing Nos. L-H-102, L-FA-104, L-FA-105, A-FAR-109, A-FAR-113:
 - a. FLOOR PLAN: Delete all square “P” symbols from floor plans.
- 10. Revised Drawings:
 - a. Drawing Nos. AD-G-002, AD-A-FAR-109, AD-A-FA-109, AD-A-FA-111, and AD-A-FA-112 noted “ADDENDUM #2 07/26/2023” accompany this Addendum and supersede originally issued drawings G-002, A-FAR-109, A-FA-109, A-FA-111, and A-FA-112.

END OF ADDENDUM

Brady M. Sherlock, P.E.
Director, Division of Design
Design & Construction

SECTION 078100

APPLIED FIREPROOFING

PART 1 GENERAL

1.01 RELATED WORK SPECIFIED ELSEWHERE

- A. Encapsulation of Surfaces Where Asbestos-Containing Materials Have Been Removed: Section 028213.
- B. Statement of Special Inspections: BDC 406.

1.02 DEFINITIONS

- A. Fireproofing Manufacturer: Manufacturer of primary fire resistive materials.
- B. Fire Resistance Rating: Time rating (in hours) in accordance with Underwriters Laboratories Fire Resistance Directory listings.

1.03 PERFORMANCE REQUIREMENTS

- A. Fire Resistance Rating: Fireproofing shall meet a 3-hour rating.
- B. Fire Hazard Classification: Fireproofing shall be listed in the Underwriters Laboratories Building Materials Directory with the following performance properties:
 - 1. Flame Spread: 10 or less.
 - 2. Smoke Developed: 5 or less.

1.04 SUBMITTALS

- A. Product Data: Manufacturer's product descriptions for each required material.
 - 1. Fireproofing: Include fireproofing manufacturer's application instructions, including primer/adhesive requirements and recommended minimum thickness and density for each required hourly rating.
- B. Quality Control Submittals:
 - 1. Certificates:
 - a. UL fire resistance rating certificate.
 - b. UL fire hazard classification certificate.
 - c. Fireproofing manufacturer's certification (or confirming independent test reports) that fireproofing meets the performance requirements and physical properties.
 - d. Affidavit by fireproofing manufacturer (or confirming independent test reports) certifying the fireproofing is free of all forms of asbestos.
 - 2. Applicators Qualifications Data: Information confirming that the firm, supervisor, and workers have the specified qualifications.

1.05 QUALITY ASSURANCE

- A. Applicators Qualifications:
 - 1. Firm: Approved by fireproofing manufacturer.
 - 2. Supervisor: Not less than 5 years of experience in the application of sprayed fire resistive material.
 - 3. Workers: Not less than one year of experience in the application of sprayed fire resistive material.
- B. Fireproofing: Fire resistive materials free of all forms of asbestos, formulated for sprayed-on application, factory packaged, and complying with specified performance requirements and physical properties.
 - 1. Source Limitations: Obtain fireproofing materials through one source from a single manufacturer.
- C. Equipment: Use mixing and application equipment recommended by the fireproofing manufacturer.
- D. Fireproofing Certifications:
 - 1. UL fire resistance rating certificate.
 - 2. UL fire hazard classification certificate.
 - 3. Affidavit by fireproofing manufacturer (or confirming independent test reports) certifying that fireproofing meets the performance requirements and physical properties.
 - 4. Affidavit by fireproofing manufacturer (or confirming independent test reports) certifying the fireproofing is free of all forms of asbestos.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Deliver fireproofing materials in factory packaged and sealed containers, clearly labeled, bearing manufacturer's name, product name, product type, batch number, date, and UL labels for classifications.
- B. Store materials in an enclosed area protected from the elements, and maintain within the manufacturer's recommended temperature limits.
- C. Handle materials in accordance with manufacturer's printed instructions.

1.07 PROJECT CONDITIONS

- A. Environmental Requirements: Make arrangements thru the Director's Representative for having the temperature in the spaces to receive flooring maintained at 68 degrees F for 48 hours prior to flooring installation, during the installation, and for 48 hours after installation. Make provision for and maintain adequate ventilation for proper curing of fireproofing as required by conditions.

PART 2 PRODUCTS

2.01 TYPE 3 FIREPROOFING

- A. Use: Interior.
 - 1. Compatible with encapsulant, and classified with encapsulant as an Underwriters Laboratories listed fireproofing system.
- B. Physical Properties:
 - 1. Dry Field Density (ASTM E 605): 15 lb/cu ft minimum average.
 - 2. Cohesion/Adhesion (Bond Strength) (ASTM E 736): 200 lb/sq ft minimum average.
 - 3. Compressive Strength (ASTM E 761): 500 lb/sq ft minimum.
 - 4. Impact (Bond Impact) Resistance (ASTM E 760): Shall not crack or delaminate.
 - 5. Effect of Deflection (ASTM E 759): Shall not crack or delaminate.
 - 6. Corrosion Resistance (ASTM E 937): No evidence of corrosion.
 - 7. Air Erosion (ASTM E 859): Maximum 0.025 g/sq ft weight loss.
- C. Dry Color: Blue. Blue color sealer or topcoat may be applied to achieve color.

2.02 ACCESSORIES

- A. Primer/Adhesive: Primer or adhesive recommended by the fireproofing manufacturer to obtain required bond strength for the specific fireproofing and substrate.
- B. Water: Potable, cool, fresh, and free from such amounts of organic and mineral substances which would be harmful to the fireproofing.
- C. Reinforcement: Lathing recommended by the fireproofing manufacturer for the specific fireproofing use/application and substrate, unless otherwise shown or specified.
 - 1. Lath: 3.4 lb per sq yd expanded metal lath with finish recommended by fireproofing manufacturer.
 - 2. Auxiliary Reinforcing Members, Clips, and Other Anchorage Devices: As recommended by the fireproofing manufacturer for the specific fireproofing use/application and substrate.
- D. Furring and Corner Beads: Accessories recommended by the fireproofing manufacturer for the specific fireproofing use/application and substrate.
- E. Sealant: Sealant recommended by the fireproofing manufacturer for the specific fireproofing use/application and substrate.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verification of Conditions: Examine the substrate and conditions under which fireproofing is to be applied. Do not proceed with the fireproofing Work until unsatisfactory conditions have been corrected.
 - 1. Verify that hangers, clips, sleeves, and other items that will penetrate the fireproofing are in place.
 - 2. Check paint on substrate for compatibility with primer/fireproofing and adequacy of bond strength in accordance with fireproofing manufacturer's instructions.

3.02 PREPARATION

- A. Protection:
 - 1. Protect surfaces that are not to receive fireproofing with suitable covers.
 - 2. Cover openings in the work areas with suitable temporary closures.
- B. Surface Preparation:
 - 1. Remove dirt, dust, oil, grease, loose paint and rust, mill scale, and other foreign matter that may impair the bonding of the fireproofing to the substrate. Clean substrate free of contamination from chemicals and solvents.
 - 2. Apply primer/adhesive where necessary to obtain bond strength of fireproofing to steel shop paint and where recommended by the fireproofing manufacturer. Follow manufacturer's instructions.
 - 3. Install reinforcement and other metal items where shown on the Drawings, where recommended by the fireproofing manufacturer, and when required by the fire rated design. Install reinforcement and accessories in accordance with fireproofing manufacturer's instructions, unless otherwise indicated.

3.03 APPLICATION

- A. Apply the fireproofing in accordance with UL fire test report and the manufacturer's application instructions.
 - 1. Application Method: Apply the fireproofing material by spraying, except use trowel application where spraying is impractical.
- B. Thickness and density of fireproofing shall be in accordance with the approved product data and as required to produce a 3-hour fire resistance rating.
- C. Apply the fireproofing in a monolithic covering of uniform density and texture, free of seams, staging breaks, holes, voids, and other defects that might impair the fire resistance. Install the fireproofing to the full required thickness over entire area of each surface to be covered.
 - 1. Stop-off application operation at natural stopping points, such as inside corners, wherever possible.
 - 2. Edge of fireproofing adjoining other materials shall be sharp and clean, without overlapping.

- D. Finish of Fireproofing: Unless otherwise indicated, finish shall be a uniform surface texture as applied, without noticeable icicles or sagging.
- E. Sealer or Topcoat: Apply sealer or topcoat on surfaces of fireproofing in accordance with the fireproofing manufacturer's application instructions.
- F. Sealer and Topcoat: Apply sealer and topcoat on surfaces of fireproofing in accordance with the fireproofing manufacturer's application instructions.

3.04 FIELD QUALITY CONTROL

- A. Special Inspections and Testing Agency: The State will engage a qualified special inspections and testing agency to perform special inspections, tests, and prepare reports. The special inspections and testing agency will interpret the tests and indicate in each report whether the tested work complies with or deviates from project requirements. The special inspections and testing agency will perform tests in accordance with the New York State Uniform Fire Prevention and Building Code (BCNYS).

3.05 ADJUSTING

- A. Correct fireproofing in damaged areas, and areas with less than the required thickness or standard of quality.

3.06 CLEANING

- A. After completion of the fireproofing in each containable area of the project, remove protective covers and temporary closures, and clean surfaces that have been soiled performing the Work.

END OF SECTION

SECTION 095153

ACOUSTICAL CEILING SYSTEMS

PART 1 GENERAL

1.01 REFERENCES

- A. ASTM E 1264 - Standard Classification for Acoustical Ceiling Products.
- B. Ceilings and Interior Systems Contractors Association (CISCA) Acoustical Ceilings: Use and Practice.
- C. UL - Fire Resistance Directory and Building Material Directory.

1.03 SUBMITTALS

- A. Submittals Package: Submit the Shop Drawings, Product Data, Samples, and Quality Control Submittals specified below at the same time as a package.
- B. Product Data: Catalog data sheets, specifications, and installation instructions for each item specified:
- C. Contract Closeout Submittals:
 - 1. Maintenance Data: Two copies of the manufacturer's printed recommendations for cleaning and refinishing the installed products. Include information about materials and methods which may be detrimental to finish and acoustic efficiency.

1.04 QUALITY ASSURANCE

- A. Surface Burning Characteristics: Tested in accordance with ASTM E 84 and complying with ASTM E 1264 for Class A products.
 - 1. Flame Spread: 25 or less.
 - 2. Smoke Developed: 50 or less.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Deliver acoustical units and suspension system components to the Project Site in original, unopened packages and store them in a fully enclosed space protected against damage from moisture, direct sunlight, surface contamination, and other causes.

- B. Open ends of acoustical unit packages 24 hours before installation to stabilize moisture content and temperature.
- C. Handle acoustical units carefully to avoid shipping edges or damaging units in any way.

1.06 PROJECT CONDITIONS

- A. Environmental Requirements: Comply with acoustical tile manufacturer's printed temperature and ventilation requirements before, during, and after installation.
- B. Space Enclosure: Do not install interior acoustical units until space is enclosed and weatherproof, wet work in spaces is completed, and work above ceilings is complete.

1.07 MAINTENANCE

- A. Furnish quantities equal to 2 percent of acoustical units and exposed suspension system components to match products installed. Package with protective covering for storage, and identify with appropriate labels.

PART 2 PRODUCTS

2.01 ACOUSTICAL TILE

- A. Legislative Office Building Ceiling Tile (Floors 4-9)
 - 1. Basis of Design: Armstrong Cortega Square Lay-in 770 (white)
 - 2. Classification: ASTM E 1264, as follows:
 - a. Type III: Mineral base with painted finish.
 - b. Form 2: Water felted.
 - 3. Ceiling Pattern:
 - a. Pattern Designation C: Perforated, small holes.
 - b. Pattern Designation D: Fissured.
 - 4. Performance Characteristics:
 - a. Acoustical Ratings:
 - 1. Noise Reduction Coefficient: ASTM C 423; NRC of 0.50-0.75.
 - 2. Ceiling Attenuation Class: ASTM E 1414; CAC of 35 or greater.
 - b. Light Reflectance Coefficient: ASTM E 1477; LR of 0.75 or greater.
 - c. Flame Spread Rating: ASTM E 84; 25 or less.
 - 5. Tile Dimensions:
 - a. Size: 24 x 24 inches; thickness 5/8-inch.
- B. Abrams Justice Building Ceiling Tile (Floors 1-4, 7-8)

1. Basis of Design: Armstrong Cortega Square Lay-in 770 (white)
2. Classification: ASTM E 1264, as follows:
 - a. Type III: Mineral base with painted finish.
 - b. Form 2: Water felted.
3. Ceiling Pattern:
 - a. Pattern Designation C: Perforated, small holes.
 - b. Pattern Designation D: Fissured.
4. Performance Characteristics:
 - a. Acoustical Ratings:
 1. Noise Reduction Coefficient: ASTM C 423; NRC of 0.50-0.75.
 2. Ceiling Attenuation Class: ASTM E 1414; CAC of 35 or greater.
 - b. Light Reflectance Coefficient: ASTM E 1477; LR of 0.75 or greater.
 - c. Flame Spread Rating: ASTM E 84; 25 or less.
5. Tile Dimensions:
 - a. Size: 24 x 24 inches; thickness 5/8-inch.

C. Legislative Office Building Ceiling Tile (Floors 1-3)

1. Basis of Design: USG Auratone Design Series
2. Classification: ASTM E 1264, as follows:
 - a. Type III: Mineral base with painted finish.
 - b. Form 2: Water felted.
3. Ceiling Pattern:
 - a. Pattern Designation C: Perforated, small holes.
 - b. Pattern Designation D: Fissured.
4. Performance Characteristics:
 - a. Acoustical Ratings:
 1. Noise Reduction Coefficient: ASTM C 423; NRC of 0.50-0.75.
 2. Ceiling Attenuation Class: ASTM E 1414; CAC of 35 or greater.
 - b. Light Reflectance Coefficient: ASTM E 1477; LR of 0.75 or greater.
 - c. Flame Spread Rating: ASTM E 84; 25 or less.
5. Tile Dimensions:
 - a. Size: 24 x 24 inches; thickness 3/4-inch.

D. Abrams Justice Building Ceiling Tile (Floors 5-6)

1. Basis of Design: Armstrong Cirrus 9/16" Beveled Tegular 589B
2. Classification: ASTM E 1264, as follows:
 - a. Type III: Mineral base with painted finish.
 - b. Form 1: Nodular.
3. Ceiling Pattern:
 - a. Pattern Designation E: Lightly textured.
4. Performance Characteristics:
 - a. Acoustical Ratings:
 1. Noise Reduction Coefficient: ASTM C 423; NRC of 0.50-0.75.

2. Ceiling Attenuation Class: ASTM E 1414; CAC of 35 or greater.
 - b. Light Reflectance Coefficient: ASTM E 1477; LR of 0.85 or greater.
 - c. Flame Spread Rating: ASTM E 84; 25 or less.
5. Tile Dimensions:
 - a. Size: 24 x 24 inches; thickness 3/4-inch.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine surfaces and areas scheduled to receive acoustical tile for unevenness, irregularities, dampness, and other conditions that will adversely affect the execution and quality of the Work. Do not proceed until unsatisfactory conditions are corrected.

3.02 INSTALLATION OF TILE

- A. Acoustical Tile:
 1. Install tile progressively with zee runners.
 2. Run directionally textured or patterned tiles in a checkerboard pattern.

END OF SECTION



SUMMARY OF SPECIAL INSPECTIONS

Project No.: **45884-E**

Instructions: BCNYS Section 1704.2.3 requires the project Designer to complete the Statement of Special Inspections *as a condition for issuance of the Construction Permit*. The Project Manager should coordinate with each Designer of Record to indicate if special inspection and testing of workmanship or materials is required for each of the construction categories listed below.

Complete this form for ALL projects. Additionally, when special inspections and testing are required and indicated below, complete the Statement of Special Inspections (BDC 406.1), and attach it to this form. Submit the completed form(s) to the Code Compliance Manager.

PROJECT INFORMATION:

Project Description: <i>(Project Title, Facility Name and Address)</i> Provide Fire Alarm System Various OGS Buildings Empire State Plaza Albany, NY 12242	Architect/ Engineer/Consultant: GHD CSI	
	Name of Person Completing Form: <i>(if different from above)</i> Robert Kovacs	
	Phone: 315-802-0296	Date: 07-21-23
	Architect/ Engineer/Consultant:	
Business Unit: BU3	Name of Person Completing Form: <i>(if different from above)</i>	
Project Manager: Nate Walker	Phone:	Date:

If any of the categories below are checked "YES" indicating the requirement for special inspections and testing, the Designer is to complete the Statement of Special Inspections (BDC 406.1) detailing the level of inspection and testing to be provided for each construction category checked.

Special Inspections and Testing

CONSTRUCTION CATEGORIES:

BCNYS Section

Required?

A. Steel Construction	1705.2	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
B. Concrete Construction	1705.3	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
C. Masonry Construction	1705.4	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
D. Wood Construction	1705.5	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
E. Soils	1705.6	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
F. Pile Foundations Driven Deep Foundations	1705.7	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
G. Pier Foundations Cast-In-Place Deep Foundations	1705.8	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
H. Helical Pile Foundations	1705.9	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
I. Fabricated Items	1705.10	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
J. Wind Resistance	1705.11	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
K. Seismic Resistance	1705.12	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
L. Testing for Seismic Resistance	1705.13	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
M. Sprayed Fire-Resistance Materials	1705.14	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
N. Mastic and Intumescent Fire-Resistant Coatings	1705.15	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
O. Exterior Insulation and Finish System (EIFS)	1705.16	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
P. Fire-Resistant Penetration and Joints	1705.17	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

Comments:



STATEMENT OF SPECIAL INSPECTIONS

Project No.: 45884-E

Instructions: BCNYS Section 1704.2.3 requires the project Design Professional to complete the Statement of Special Inspections as a condition for issuance of the Construction Permit. Complete each section of this form as applicable, and submit it to the Code Compliance Manager with the Summary of Special Inspections (BDC 406).

PROJECT INFORMATION:

DESIGNER INFORMATION:

CONSTRUCTION INFORMATION:

Project Description: <i>(Project Title, Facility Name and Address)</i> Provide Fire Alarm System Various OGS Buildings Empire State Plaza Albany, NY 12242	Architect/Engineer/Consultant: GHD CSI		Engineer- In-Charge:	Region:
	Name of Person Completing Form: <i>(if different from above)</i> Robert Kovacs		Name of Person Completing Form: <i>(if different from above)</i>	
	Phone: 315-802-0296	Date: 07-21-23	Phone:	Date:
Business Unit: BU3	Comments:		Comments:	
Team Leader: Nate Walker				

Check if Required	INSPECTION AND TESTING Continuous and Periodic as defined by the BCNYS	Continuous	Periodic	REFERENCE STANDARD	BCNYS REFERENCE	SPEC SECTION	COMMENTS	REGIONAL INSPECTION ASSIGNMENTS
	A. Steel Construction				1705.2			
<input type="checkbox"/>	1. Structural steel.	<input type="checkbox"/>	<input type="checkbox"/>	AISC 360 Chapter N.5	1705.2, 1705.2.1			
<input type="checkbox"/>	2. Cold-formed steel deck.		<input type="checkbox"/>	SDI QA/QC 2011	1705.2, 1705.2.2			
<input type="checkbox"/>	3. Installation of open-web steel joist and joist girders.		<input type="checkbox"/>	SJI specification (Section 2207.1)	1705.2, 1705.2.3, 1705.2.4			
	B. Concrete Construction				1705.3			
<input type="checkbox"/>	1. Inspection of reinforcing steel, including prestressing tendons, and placement.		<input type="checkbox"/>	ACI 318: Ch. 20, 25.2, 25.3, 26.6.1-26.6.3	1705.3, 1908.4			

Check if Required	INSPECTION AND TESTING Continuous and Periodic as defined by the BCNYS	Continuous	Periodic	REFERENCE STANDARD	BCNYS REFERENCE	SPEC SECTION	COMMENTS	REGIONAL INSPECTION ASSIGNMENTS
	B. Concrete Construction				1705.3			
<input type="checkbox"/>	2a. Reinforcing bar welding - Weldability of reinforcing bars other than ASTM A706.		<input type="checkbox"/>	AWS D1.4; ACI 318: 26.6.4	1705.3, 1705.3.1			
<input type="checkbox"/>	2b. Reinforcing bar welding - Single-pass fillet welds, maximum 5/16 inches.		<input type="checkbox"/>	AWS D1.4; ACI 318: 26.6.4	1705.3, 1705.3.1			
<input type="checkbox"/>	2c. Reinforcing bar welding - All other welds.	<input type="checkbox"/>		AWS D1.4; ACI 318: 26.6.4	1705.3, 1705.3.1			
<input type="checkbox"/>	3. Cast in concrete anchorage.		<input type="checkbox"/>	ACI 318: 17.8.2	1705.3			
<input type="checkbox"/>	4a. Post installed concrete members - Adhesive anchors installed horizontally or upwardly inclined to resist sustained tension loads.	<input type="checkbox"/>		ACI 318: 17.8.2.4	1705.3			
<input type="checkbox"/>	4b. Post installed concrete members - Mechanical anchors and adhesive anchors not defined in 4.a.		<input type="checkbox"/>	ACI 318: 17.8.2				
<input type="checkbox"/>	5. Verify use of required design mix.		<input type="checkbox"/>	ACI 318: Ch. 19, 26.4.3, 26.4.4	1705.3, 1904.1, 1904.2, 1908.2, 1908.3			
<input type="checkbox"/>	6. Sampling fresh concrete: slump, air content, temperature, strength test specimens.	<input type="checkbox"/>		ASTM C 172, ASTM C31; ACI 318: 26.4, 26.12	1705.3, 1908.10			
<input type="checkbox"/>	7. Inspect concrete and shotcrete placement for proper application techniques.	<input type="checkbox"/>		ACI 318: 26.5	1705.3, 1908.6, 1908.7, 1908.8			
<input type="checkbox"/>	8. Inspection for maintenance of specified curing temperature and techniques.		<input type="checkbox"/>	ACI 318: 26.5.3-26.5.5	1705.3, 1908.9			
<input type="checkbox"/>	9. Inspection of prestressed concrete.	<input type="checkbox"/>		ACI 318: 26.10	1705.3			

Check if Required	INSPECTION AND TESTING Continuous and Periodic as defined by the BCNYS	Continuous	Periodic	REFERENCE STANDARD	BCNYS REFERENCE	SPEC SECTION	COMMENTS	REGIONAL INSPECTION ASSIGNMENTS
<input type="checkbox"/>	10. Erection of precast concrete members.		<input type="checkbox"/>	ACI 318: Ch. 26.8	1705.3			
<input type="checkbox"/>	11. Verification of in-situ concrete strength prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and slabs.		<input type="checkbox"/>	ACI 318: 26.11.2	1705.3			
<input type="checkbox"/>	12. Inspect formwork for shape, location and dimensions of the concrete member being formed.		<input type="checkbox"/>	ACI 318: 26.11.1.2(b)				
<input type="checkbox"/>	13. Material Tests – In absence of sufficient data or documentation for materials.		<input type="checkbox"/>	ACI 318 Ch. 19 and 20				
	C. Masonry Construction				1705.4			
<input type="checkbox"/>	1. Masonry construction.	<input type="checkbox"/>	<input type="checkbox"/>	ACI 530/ ASCE 5/TMS 402 and ACI 530.1/ ASCE 6/TMS 602 Ch. 3	1705.4			
<input type="checkbox"/>	2. Empirically designed masonry, glass unit masonry and masonry veneer in Risk Category IV.		<input type="checkbox"/>	TMS 402/ ACI530/ ASCE 5 Level B Ch. 3	1705.4.1, 2109, 2110, or Ch. 14			
<input type="checkbox"/>	3. Vertical masonry foundation elements.	<input type="checkbox"/>	<input type="checkbox"/>		1705.4, 1705.4.2			
	D. Wood Construction				1705.5			
<input type="checkbox"/>	1. Wood construction- Fabrication of wood structural elements and assemblies.		<input type="checkbox"/>		1705.5, 1704.2.5			
<input type="checkbox"/>	2. High-load Diaphragms.		<input type="checkbox"/>		1705.5, 1705.5.1, 2306.2, 1704.2			

Check if Required	INSPECTION AND TESTING Continuous and Periodic as defined by the BCNYS	Continuous	Periodic	REFERENCE STANDARD	BCNYS REFERENCE	SPEC SECTION	COMMENTS	REGIONAL INSPECTION ASSIGNMENTS
	D. Wood Construction				1705.5			
<input type="checkbox"/>	3. Metal-plate-connected wood trusses spanning 60 feet or greater (temp. and perm. installation).		<input type="checkbox"/>		1705.5.2			
	E. Soils				1705.6			
<input type="checkbox"/>	1. Subgrade inspection.		<input type="checkbox"/>		1705.6			
<input type="checkbox"/>	2. Classification and testing of compacted fill materials.		<input type="checkbox"/>		1705.6			
<input type="checkbox"/>	3. Evaluation of in-place density and lift thickness.	<input type="checkbox"/>			1705.6			
<input type="checkbox"/>	F. Driven Deep Foundations Installation and load tests (if applicable).	<input type="checkbox"/>			1705.7			
<input type="checkbox"/>	G. Cast-In-Place Deep Foundations Installation, end bearing strata, and load tests (if applicable).	<input type="checkbox"/>			1705.8			
<input type="checkbox"/>	H. Helical Pile Foundation Installation and load tests (is applicable).	<input type="checkbox"/>			1705.9			
<input type="checkbox"/>	I. Fabricated Items		<input type="checkbox"/>		1705.10, 1704.2.5			
<input type="checkbox"/>	J. Wind Resistance Applicable in Exposure Category B with a basic wind speed of 120 mph and Exposure Categories C or D with basic wind speed of 110 mph or greater.				1705.11			
<input type="checkbox"/>	1a. Structural wood - Field gluing operation of elements of main wind force-resisting system (MWRS).	<input type="checkbox"/>			1705.11.1			

Check if Required	INSPECTION AND TESTING Continuous and Periodic as defined by the BCNYS	Continuous	Periodic	REFERENCE STANDARD	BCNYS REFERENCE	SPEC SECTION	COMMENTS	REGIONAL INSPECTION ASSIGNMENTS
<input type="checkbox"/>	J. Wind Resistance Applicable in Exposure Category B with a basic wind speed of 120 mph and Exposure Categories C or D with basic wind speed of 110 mph or greater.				1705.11			
<input type="checkbox"/>	1a. Field Gluing	<input type="checkbox"/>			1705.11.1			
<input type="checkbox"/>	1b. Structural wood - Nailing, bolting, anchoring, and fastening elements of the MWRS.		<input type="checkbox"/>		1705.11.1			
<input type="checkbox"/>	2a. Cold formed steel - Welding operations of elements of MWRS.		<input type="checkbox"/>		1705.11.2			
<input type="checkbox"/>	2b. Cold formed steel - Screw attachments, bolting, anchoring, and fastening of elements of MWRS.		<input type="checkbox"/>		1705.11.2			
<input type="checkbox"/>	3. Wind-resisting components – Roof covering, roof deck, and roof framing connections. Exterior wall covering and wall connections to roof and floor diaphragms and framing.		<input type="checkbox"/>		1705.11, 1705.11.3			
<input type="checkbox"/>	K. Special Inspections for Seismic Resistance Applicable to specific structures, systems, and components.				1705.12			
<input type="checkbox"/>	1. Structural steel - Seismic force-resisting systems & elements.	<input type="checkbox"/>		AISC 341 Ch. J	1705.12.1.1 or 1705.12.1.2			
<input type="checkbox"/>	2a. Structural wood - Field gluing operation of elements of seismic force- resisting system (SFRS).	<input type="checkbox"/>			1705.12.2			
<input type="checkbox"/>	2b. Structural wood - Nailing, bolting, anchoring, and fastening of elements of SFRS.		<input type="checkbox"/>		1705.12.2			

Check if Required	INSPECTION AND TESTING Continuous and Periodic as defined by the BCNYS	Continuous	Periodic	REFERENCE STANDARD	BCNYS REFERENCE	SPEC SECTION	COMMENTS	REGIONAL INSPECTION ASSIGNMENTS
	K. Special Inspections for Seismic Resistance Applicable to specific structures, systems, and components.				1705.12			
<input type="checkbox"/>	3. Cold-formed steel framing – welding and fasteners.		<input type="checkbox"/>		1705.12.3			
<input type="checkbox"/>	4. Designated seismic systems – verify that label, anchorage, and mounting conforms to the certificate of compliance.		<input type="checkbox"/>	ASCE 7 Section 13.2.2	1705.12.4			
<input type="checkbox"/>	5. Architectural components.		<input type="checkbox"/>		1705.12.5			
<input type="checkbox"/>	6. Plumbing, Mechanical and electrical components.		<input type="checkbox"/>		1705.12.6			
<input type="checkbox"/>	7. Storage racks and access floors.		<input type="checkbox"/>		1705.12.7,			
<input type="checkbox"/>	8. Seismic isolation systems.		<input type="checkbox"/>		1705.12.8			
<input type="checkbox"/>	9. Cold-formed steel special bolted moment frames.		<input type="checkbox"/>		1705.12.9			
<input type="checkbox"/>	L. Structural Testing for Seismic Resistance Applicable to specific structures, systems, and components.				1705.13			
<input type="checkbox"/>	1. Structural steel.	<input type="checkbox"/>	<input type="checkbox"/>	AISC 341 Ch. J	1705.13.1			
<input type="checkbox"/>	2. Nonstructural components.		<input type="checkbox"/>	ASCE 7 Section 13.2.1	1705.13.2			
<input type="checkbox"/>	3. Designated seismic systems.		<input type="checkbox"/>	ASCE 7 Section 13.2.2	1705.13.3			

Check if Required	INSPECTION AND TESTING Continuous and Periodic as defined by the BCNYS	Continuous	Periodic	REFERENCE STANDARD	BCNYS REFERENCE	SPEC SECTION	COMMENTS	REGIONAL INSPECTION ASSIGNMENTS
	L. Structural Testing for Seismic Resistance Applicable to specific structures, systems, and components.				1705.13			
<input type="checkbox"/>	4. Seismic isolation systems.		<input type="checkbox"/>	ASCE 7 Section 17.8	1705.13.4			
	M. Sprayed Fire-Resistant Materials [BF]				1705.14			
<input checked="" type="checkbox"/>	1. Physical and visual tests.		<input type="checkbox"/>		1705.14.1	078100		
<input checked="" type="checkbox"/>	2. Structural member surface conditions.		<input type="checkbox"/>		1705.14.2	078100		
<input checked="" type="checkbox"/>	3. Application.		<input type="checkbox"/>		1705.14.3	078100		
<input checked="" type="checkbox"/>	4. Thickness.		<input type="checkbox"/>	ASTM E 605	1705.14.4	078100		
<input checked="" type="checkbox"/>	5. Density.		<input type="checkbox"/>	ASTM E 605	1705.14.5	078100		
<input checked="" type="checkbox"/>	6. Bond strength.		<input type="checkbox"/>	ASTM E 736	1705.14.6	078100		
<input type="checkbox"/>	N. Mastic and Intumescent Fire-Resistant Coatings [BF]		<input type="checkbox"/>	AWCI 12-B	1705.15			
<input type="checkbox"/>	O. Exterior Insulation and Finish Systems (EIFS)		<input type="checkbox"/>	ASTM E2570	1705.16			
<input checked="" type="checkbox"/>	P. Fire-Resistant Penetrations and Joints [BF] High rise building or buildings assigned to risk category III or IV		<input checked="" type="checkbox"/>	ASTM E2174 ASTM E2393	1705.17			
<input type="checkbox"/>	Q. Testing for Smoking Control [F]		<input type="checkbox"/>		1705.18			

SYMBOLS/ABBREVIATIONS	
<div><div>F</div><div>MANUAL PULL STATION</div></div>	<div><div>FO</div><div>FIBER OPTIC NETWORK</div></div>
<div><div><div><div><div></div><div></div></div><div>DENOTES CANDELA RATING</div><div>75cd</div><div><div></div><div></div></div><div>VISUAL STROBE LIGHT - WALL MOUNTED MOUNTING HEIGHT: +90" AFF (TO CENTER), UNLESS OTHERWISE NOTED XXcd = CANDELA RATING; WP = WEATHERPROOF</div></div></div></div>	<div><div>RSFACU</div><div>RELEASING SERVICE FIRE ALARM CONTROL UNIT</div></div>
<div><div><div><div><div></div><div></div></div><div>30cd</div><div><div></div><div></div></div><div>VISUAL STROBE LIGHT - CEILING MOUNTED XXcd = CANDELA RATING</div></div></div></div>	<div><div>FOPP</div><div>FIBER OPTIC PATCH PANEL</div></div>
<div><div><div><div><div></div><div></div></div><div>15cd</div><div><div></div><div></div></div><div>COMBINATION SPEAKER STROBE - WALL MOUNTED MOUNTING HEIGHT: +90" AFF (TO CENTER), UNLESS OTHERWISE NOTED; XXcd = CANDELA RATING</div></div></div></div>	<div><div>ELEC</div><div>ELECTRICAL POWER PANEL</div></div>
<div><div><div><div><div></div><div></div></div><div>15cd</div><div><div></div><div></div></div><div>C</div><div>COMBINATION SPEAKER STROBE - CEILING MOUNTED XXcd = CANDELA RETING</div></div></div></div>	<div><div>EOL</div><div>END OF LINE RESISTOR</div></div>
<div><div><div><div><div></div><div></div></div><div>V</div><div>A</div><div>FIRE ALARM BELL - WALL MOUNTED</div></div></div></div>	<div><div>SD</div><div>SMOKE DAMPER</div></div>
<div><div><div><div><div></div><div></div></div><div>F</div><div>FIRE ALARM HORN - WALL MOUNTED</div></div></div></div>	<div><div>RA</div><div>REMOTE ANNUNCIATOR</div></div>
<div><div><div><div><div></div><div></div></div><div>S</div><div>C</div><div>SPEAKER ONLY; WALL MOUNTED; C = CEILING MOUNTED</div></div></div></div>	<div><div>EX</div><div>EXISTING</div></div>
<div><div><div><div><div></div><div></div></div><div>S</div><div>S</div><div>SMOKE SENSOR - PHOTOELECTRIC WALL-MOUNTED; C = CEILING MOUNTED</div></div></div></div>	<div><div>C</div><div>CONDUIT</div></div>
<div><div><div><div><div></div><div></div></div><div>S</div><div>E</div><div>SMOKE SENSOR - ELEVATOR RECALL; C = CEILING MOUNTED</div></div></div></div>	<div><div>TYP.</div><div>TYPICAL</div></div>
<div><div><div><div><div></div><div></div></div><div>H</div><div>ADDRESSABLE HEAT DETECTOR CEILING MOUNTED - FIXED TEMPERATURE 135°F UNLESS NOTED OTHERWISE; WP = WEATHERPROOF, C = CONVENTIONAL DETECTOR</div></div></div></div>	<div><div>O</div><div>CONDUIT, UP & DOWN</div></div>
<div><div><div><div><div></div><div></div></div><div>S</div><div>DUCT SMOKE DETECTOR</div></div></div></div>	<div><div>SLC</div><div>SIGNALING LINE CIRCUIT</div></div>
<div><div><div><div><div></div><div></div></div><div>C</div><div>C</div><div>CARBON MONOXIDE DETECTOR; WALL MOUNTED; C = CEILING MOUNTED</div></div></div></div>	<div><div>NAC</div><div>NOTIFICATION APPLIANCE CIRCUIT</div></div>
<div><div><div><div><div></div><div></div></div><div>Q</div><div>PROJECTED BEAM DETECTOR - TRANSMITTER</div></div></div></div>	<div><div>IDC</div><div>INITIATING DEVICE CIRCUIT</div></div>
<div><div><div><div><div></div><div></div></div><div>Q</div><div>I</div><div>PROJECTED BEAM DETECTOR - RECEIVER</div></div></div></div>	<div><div>TCC</div><div>TELEPHONE COMMUNICATION CIRCUIT</div></div>
<div><div><div><div><div></div><div></div></div><div>H</div><div>LINEAR HEAT DETECTOR</div></div></div></div>	<div><div>EMT</div><div>ELECTRICAL METALLIC TUBING</div></div>
<div><div><div><div><div></div><div></div></div><div>.....</div><div>LINEAR HEAT DETECTOR WIRING</div></div></div></div>	<div><div>MC</div><div>METAL-CLAD</div></div>
<div><div><div><div><div></div><div></div></div><div>RP</div><div>RELAY PANEL</div></div></div></div>	<div><div>AFF</div><div>ABOVE FINISHED FLOOR</div></div>
<div><div><div><div><div></div><div></div></div><div>AIM</div><div>M</div><div>ADDRESSABLE INPUT MONITOR MODULE, # = QUANTITY</div></div></div></div>	<div><div>LOB</div><div>LEGISLATIVE OFFICE BUILDING</div></div>
<div><div><div><div><div></div><div></div></div><div>AOM</div><div>ADDRESSABLE OUTPUT MODULE</div></div></div></div>	<div><div>LED</div><div>LIGHT EMITTING DIODE</div></div>
<div><div><div><div><div></div><div></div></div><div>IM</div><div>ISOLATION MODULE</div></div></div></div>	<div><div>NFN</div><div>NOTI-FIRE NETWORK</div></div>
<div><div><div><div><div></div><div></div></div><div>LED</div><div>LED TEXTUAL NOTIFICATION SIGN</div></div></div></div>	<div><div>FPLP</div><div>FIRE POWER LIMITED PLENUM</div></div>
<div><div><div><div><div></div><div></div></div><div>FATC</div><div>FIRE ALARM TERMINAL CABINET</div></div></div></div>	<div><div>-----</div><div>AIR SAMPLING TUBING (SINGULAR TUBE AND/OR BUNDLED TUBES)</div></div>
<div><div><div><div><div></div><div></div></div><div>ICU</div><div>INTERCONNECTED CONTROL UNIT (FIRE ALARM CONTROL PANEL)</div></div></div></div>	<div><div>///</div><div>ITEM/DEVICE TO BE REMOVED</div></div>
<div><div><div><div><div></div><div></div></div><div>NAP</div><div>NOTIFICATION APPLIANCE REMOTE AUXILIARY POWER SUPPLIES</div></div></div></div>	<div><div>RI</div><div>REMOTE INDICATOR</div></div>
<div><div><div><div><div></div><div></div></div><div>AMP</div><div>AMPLIFIER</div></div></div></div>	<div><div>P</div><div>EMERGENCY TELEPHONE</div></div>
<div><div><div><div><div></div><div></div></div><div>AFSS</div><div>AUTOMATIC FIRE SUPPRESSION SYSTEM RELEASING FIRE ALARM CONTROL UNIT</div></div></div></div>	
<div><div><div><div><div></div><div></div></div><div>TVSS</div><div>TRANSIENT VOLTAGE SURGE SUPPRESSION</div></div></div></div>	
<div><div><div><div><div></div><div></div></div><div>BATT</div><div>BATTERY CABINET</div></div></div></div>	
<div><div><div><div><div></div><div></div></div><div>RA</div><div>REMOTE ANNUNCIATOR</div></div></div></div>	
<div><div><div><div><div></div><div></div></div><div>ES</div><div>LED SIGN ETHERNET SWITCH</div></div></div></div>	
<div><div><div><div><div></div><div></div></div><div>WF</div><div>FIRE ALARM CONNECTION TO WATERFLOW SWITCH</div></div></div></div>	
<div><div><div><div><div></div><div></div></div><div>TS</div><div>FIRE ALARM CONNECTION TO VALVE TAMPER SWITCH</div></div></div></div>	
<div><div><div><div><div></div><div></div></div><div>R</div><div>#</div><div>RELAY/OUTPUT MODULE, # = QUANTITY</div></div></div></div>	
<div><div><div><div><div></div><div></div></div><div>ASSD</div><div>AIR SAMPLING SMOKE DETECTION</div></div></div></div>	
<div><div><div><div><div></div><div></div></div><div>X</div><div>AIR SAMPLING SMOKE DETECTION ADDRESSABLE SAMPLING PORT</div></div></div></div>	
<div><div><div><div><div></div><div></div></div><div>FACP</div><div>FIRE ALARM CONTROL PANEL, MFACP - MASTER PANEL</div></div></div></div>	
<div><div><div><div><div></div><div></div></div><div>FCS</div><div>FIRE COMMAND STATION</div></div></div></div>	
<div><div><div><div><div></div><div></div></div><div>J</div><div>J</div><div>FIREFIGHTER PHONE JACK</div></div></div></div>	
<div><div><div><div><div></div><div></div></div><div>DH</div><div>DOOR HOLD OPEN APPLIANCE</div></div></div></div>	
<div><div><div><div><div></div><div></div></div><div>DR</div><div>DOOR RELEASE</div></div></div></div>	
<div><div><div><div><div></div><div></div></div><div>FFTP</div><div>FIRE FIGHTER TELEPHONE PANEL</div></div></div></div>	

GENERAL NOTES:

1.

THE SCOPE OF THIS PROJECT INCLUDES PROVIDING A COMPLETELY SUPERVISED, INTELLIGENT, ANALOG, HONEYWELL ADDRESSABLE IN-BUILDING FIRE ALARM SYSTEM AND NETWORK ARCHITECTURE AS SHOWN ON THE DRAWINGS AND DESCRIBED WITHIN THE ACCOMPANYING SPECIFICATIONS. THE SYSTEMS SHALL INCLUDE ALL WIRING, RACEWAYS, PULL BOXES, TERMINAL CABINETS, OUTLET AND MOUNTING BOXES, CONTROL EQUIPMENT, ALARM AND SUPERVISORY SIGNALS, INITIATING DEVICES, NOTIFICATION APPLIANCES, NOTIFICATION ALARM PANELS, INTERFACE EQUIPMENT, AND ALL OTHER ACCESSORIES AND MISCELLANEOUS ITEMS INCLUDING SOFTWARE, SYSTEM PROGRAMMING AND TESTING REQUIRED FOR A COMPLETE OPERATING SYSTEM EVEN THOUGH EACH ITEM IS NOT SPECIFICALLY MENTIONED OR DESCRIBED. WORK INCLUDES INTERFACING EXISTING FIRE ALARM EQUIPMENT TO PROVIDE UNINTERRUPTED ALARM DETECTION, AND NOTIFICATION THROUGHOUT THE OCCUPIED BUILDING. FOLLOWING ACCEPTANCE OF THE PROVIDED FIRE ALARM SYSTEM, THE EXISTING SYSTEM SHALL BE DISCONNECTED AND REMOVED. INCLUDE ALL COSTS ASSOCIATED WITH REMOVAL AND REPLACEMENT OF FIRE ALARM SYSTEM WORK AS DESCRIBED IN THE DRAWINGS AND SPECIFICATIONS.
2.

COMPLY WITH THE FOLLOWING CODES AND STANDARDS:

2.1.

NFPA 70 NATIONAL ELECTRICAL CODE, 2017 EDITION

2.2.

NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE, 2016 EDITION

2.3.

NFPA 13 INSTALLATION OF SPRINKLER SYSTEMS, 2016 EDITION

2.4.

NFPA 20 INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION, 2016 EDITION

2.5.

2020 BUILDING CODE OF NEW YORK STATE

2.6.

2020 FIRE CODE OF NEW YORK STATE
3.

COMPLY WITH THE ADOPTED CODES AND STANDARDS INCLUDING ALL ANNEXES/APPENDICES AT THE TIME FIRE ALARM WORK IS PERMITTED. THE EQUIPMENT PROVIDED BY SHALL BE LISTED FOR THE INTENDED PURPOSE BY A NATIONALLY RECOGNIZED TESTING LABORATORY.
4.

PROVIDE INSPECTIONS AND FINAL SYSTEM ACCEPTANCE AS REQUIRED.
5.

COORDINATE ALL DRAWINGS AND SPECIFICATIONS PRIOR TO COMMENCING WORK. QUESTIONS REGARDING DESIGN INTENT OR SYSTEM OPERATION SHALL BE PROMPTLY BROUGHT TO THE ATTENTION OF THE DIRECTOR'S REPRESENTATIVE.
6.

FIELD VERIFY AND COORDINATE ALL EXISTING CONDITIONS AND DIMENSIONS INDICATED ON DRAWINGS PRIOR TO EXECUTION OF THIS CONTRACT.
7.

AVOID ALL CONFLICTS WITH EXISTING LIGHT FIXTURES, HVAC DIFFUSERS, GRILLES, DUCTS, CONDUIT AND OTHER PIPING OR OTHER OBSTRUCTIONS ENCOUNTERED. COORDINATE ALL WORK WITH EXISTING FIELD CONDITIONS. PROMPTLY NOTIFY THE DIRECTOR'S REPRESENTATIVE PRIOR TO INITIATING WORK IF ANY MOUNTING LOCATIONS ARE OBSTRUCTED AND/OR IF ANY MOUNTING CONFLICTS OR PROBLEMS ARE DISCOVERED.
8.

ANY CONFLICTS BETWEEN SPECIFICATIONS AND DRAWINGS SHALL BE BROUGHT TO THE DIRECTOR'S REPRESENTATIVE ATTENTION IMMEDIATELY. DO NOT PROCEED WITH ANY WORK EXCEPT AT OWN RISK, UNTIL CLARIFICATIONS OF CONFLICTS ARE ISSUED BY THE DIRECTOR'S REPRESENTATIVE.
9.

EXTREME CARE SHALL BE EXERCISED WHEN ROUGHING IN DEVICES SO AS NOT TO DAMAGE THE EXISTING BUILDING FINISHES.
10.

MOUNT ALL VISUAL WARNING STROBE NOTIFICATION APPLIANCES TO ACHIEVE MAXIMUM VISIBILITY IN ACCORDANCE WITH CURRENT NFPA 72 GUIDELINES.

10.1.

WALL-MOUNTED APPLIANCES SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80 IN. AND NOT GREATER THAN 96 IN. ABOVE THE FINISHED FLOOR OR AT THE MOUNTING HEIGHT SPECIFIED USING THE PERFORMANCE-BASED ALTERNATIVE OF NFPA 72, 2016 EDITION SECTION 18.5.5.6. WHERE LOW CEILING HEIGHTS DO NOT PERMIT WALL MOUNTING AT A MINIMUM OF 80 IN., WALL 12 IN AREAS MOUNTED VISIBLE APPLIANCES SHALL BE MOUNTED WITHIN 6 IN. OF THE CEILING. THE ROOM SIZE COVERED BY A STROBE OF A GIVEN VALUE SHALL BE REDUCED BY TWICE THE DIFFERENCE BETWEEN THE MINIMUM MOUNTING HEIGHT OF 80 IN. AND THE ACTUAL LOWER MOUNTING HEIGHT.

10.2.

VISIBLE APPLIANCES LISTED FOR MOUNTING PARALLEL TO THE FLOOR SHALL BE PERMITTED TO BE LOCATED ON THE CEILING OR SUSPENDED BELOW THE CEILING.
11.

RACEWAY SHALL BE INSTALLED AS UNOBTUSIVELY AS POSSIBLE, AS CLOSE AS POSSIBLE TO FLOOR/ CEILING SLAB AND PARALLEL AND AT RIGHT ANGLES TO STRUCTURAL STEEL OR CONCRETE ELEMENTS.
12.

AFTER RACEWAY INSTALLATION, PENETRATIONS IN FIRE RESISTIVE WALLS AND CEILINGS SHALL BE PROPERLY CLEANED AND SEALED TO THE FULL THICKNESS OF THE PENETRATION WITH A LISTED AND APPROVED FIRE STOPPING SYSTEM OF EQUAL OR GREATER FIRE RESISTANCE. UNLESS OTHERWISE NOTED, ALL FLOOR/CEILING SLABS, STAIR ENCLOSURES, VERTICAL SHAFT AND CHASE ENCLOSURES, MASONRY SLAB TO SLAB, MECHANICAL, ELECTRICAL AND FIRE ALARM CLOSET ROOM WALLS SHALL BE CONSIDERED 2 HOUR FIRE RESISTIVE RATED CONSTRUCTION, UNLESS OTHERWISE NOTED, AND FIRE STOPPED AS SPECIFIED. PROVIDE UL LISTED THROUGH PENETRATION FIRESTOPPING ON ALL WALL AND FLOOR PENETRATIONS. FIRESTOPPING SHALL BE COMPATIBLE FOR WALL AND FLOOR CONSTRUCTION AS INDICATED. SUBMIT UL ASSEMBLY FOR APPROVAL PRIOR TO INSTALLATION. SPECIAL INSPECTIONS SHALL BE REQUIRED FOR FIRESTOPPING WORK.

13.

WIRING WITHIN ENCLOSURES: INSTALL CONDUCTORS PARALLEL WITH OR AT RIGHT ANGLES TO SIDES AND BACK OF THE ENCLOSURE. BUNDLE, LACE, AND TRAIN CONDUCTORS TO TERMINAL POINTS WITH NO EXCESS. CONNECT CONDUCTORS THAT ARE TERMINATED, SPLICED, OR INTERRUPTED IN ANY ENCLOSURE ASSOCIATED WITH THE FIRE ALARM SYSTEM TO TERMINAL BLOCKS. MARK EACH TERMINAL ACCORDING TO THE SYSTEM'S WIRING DIAGRAMS. MAKE ALL CONNECTIONS WITH APPROVED CRIMP-ON TERMINAL SPADE LUGS. PRESSURE-TYPE TERMINAL BLOCKS, OR PLUG CONNECTORS. SPLICES UTILIZING A WIRE NUT ARE NOT ALLOWED. MACHINE LABEL EACH CONDUCTOR AND PROVIDE FIRE ALARM CIRCUIT IDENTIFICATION PER NEC 760.30.

14.

ALL DEVICES PROVIDED IN LAY-IN ACOUSTICAL TILE CEILINGS OR OTHER SUSPENDED TYPE CEILINGS SHALL BE INSTALLED CENTER OF TILE. PROVIDE STEEL HANGER RODS FROM THE BUILDING STRUCTURE TO SUPPORT DEVICES.

15.

PROVIDE FINAL DEVICE COUNTS AND LOCATIONS.

16.

DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE APPROXIMATE LOCATION OF DEVICES AND APPLIANCES. FIELD VERIFY THE LOCATION OF ALL DEVICES AND APPLIANCES WITH RESPECT TO EXISTING OBSTRUCTIONS IN ACCORDANCE WITH NFPA 72. PROVIDE ALL NECESSARY CONDUIT AND WIRE IN ACCORDANCE WITH THE APPLICABLE CODES, REGULATIONS, AND MANUFACTURER REQUIREMENTS.

17.

FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY WORK.

18.

NOTE THAT THE FACILITY WILL BE FULLY OPERATIONAL AND OCCUPIED DURING THE COURSE OF THIS PROJECT. REFER TO THE SPECIFICATIONS FOR WORKING HOUR RESTRICTIONS AND SECURITY REQUIREMENTS. COORDINATE AND SCHEDULE IN ADVANCE ALL WORK WITH THE DIRECTOR'S REPRESENTATIVE.

19.

GATHER ALL MATERIALS AT THE END OF THE DESIGNATED WORK HOURS FOR EACH AREA AND STORED WHERE DIRECTED BY THE DIRECTOR'S REPRESENTATIVE.

20.

REMOVAL OF WORK SHALL BE PERFORMED IN A NEAT AND PROFESSIONAL MANNER. RESTORE, PATCH, PAINT, ETC. ANY INTERIOR/EXTERIOR BUILDING SURFACE TO CLOSELY MATCH THE SURROUNDING CONDITIONS. COORDINATE WITH THE DIRECTOR'S REPRESENTATIVE ON PAINT COLORS.

21.

EXISTING EQUIPMENT & DEVICES ARE SHOWN FOR REFERENCE ONLY. VERIFY EXISTING CONDITIONS AND BRING ANY DISCREPANCIES TO THE DIRECTOR'S REPRESENTATIVE ATTENTION IN WRITING.

22.

EXISTING DEVICES SHOWN FOR REMOVAL ARE REPRESENTATIVE ONLY. FIELD VERIFY ALL EXISTING DEVICES AND PROVIDE ALL FIRE ALARM SYSTEM REMOVAL WORK FOR THIS PROJECT. THIS WORK SHALL INCLUDE BUT NOT BE LIMITED TO THE DISCONNECTION, REMOVAL, AND DISPOSAL OF INITIATION AND NOTIFICATION DEVICES, JUNCTION BOXES, WIRE, CABLE, CONDUIT, MOUNTING HARDWARE STRAPS OR CABLES, INCLUDING EXISTING FIRE ALARM CONTROL PANELS AND OTHER SYSTEM COMPONENTS, ETC. PER THE SCOPE OF WORK FOR THIS PROJECT

- 22.1.

LOB/ABRAMS: FIRE ALARM CONTROL PANELS AND DEVICES SHALL BE RETAINED AND TURNED OVER TO THE DIRECTOR'S REPRESENTATIVE.

- 22.2.

LOB/ABRAMS: ALL EXISTING FIRE ALARM PANELS AND EXISTING NOTIFICATION APPLIANCE POWER EXTENDERS SHALL BE MAINTAINED AS WORKING PANELS THROUGHOUT CONSTRUCTION AND WILL CONTINUE TO MAINTAIN CIRCUITS FOR EXISTING DEVICES TO REMAIN. PROVIDE AS NECESSARY TEMPORARY FEEDS TO ANY DEVICES THAT MAY BE REQUIRED FOR UNINTERRUPTED USE. PROVIDE TEMPORARY CONNECTIONS FOR RELOCATED EQUIPMENT DURING CONSTRUCTION.

23.

ABANDON ALL CONDUITS/CIRCUITS ABOVE FINISHED CEILINGS OR CONCEALED IN WALLS. REMOVE ALL EXISTING EXPOSED CONDUITS/CIRCUITS AND FASTENERS.

24.

REMOVE ALL FIRE ALARM DEVICES, INCLUDING ASSOCIATED WIRING, CONDUITS, COVERS, BOXES, ETC., WHERE INDICATED ON THE PLANS. WHERE THE REMOVAL OF THESE ITEMS DISRUPTS EXISTING WIRING THAT IS TO REMAIN, PROVIDE IN THE CEILING SPACE JUNCTION BOXES AND OTHER DEVICES AND PROVIDE BYPASS NECESSARY TO MAKE CIRCUITS AFFECTED CONTINUOUS AND READY FOR OPERATION. OTHERWISE, WIRING SHALL BE REMOVED BACK TO THE NEAREST ELECTRICAL JUNCTION BOX THAT IS TO REMAIN OR TO THE SOURCE PANELBOARD.

25.

ALL WORK MUST BE SCHEDULED AND PERFORMED AS NOT TO INTERRUPT NORMAL OPERATIONS. REMOVAL OF ITEMS THAT WILL CAUSE ANY TYPE OF TEMPORARY SHUTDOWN SHALL BE PERFORMED DURING OFF-PEAK HOURS. ALL SUCH OUTAGES SHALL BE SCHEDULED AND COORDINATED WITH THE DIRECTOR'S REPRESENTATIVE TO ENSURE ESSENTIAL SERVICES OR AREAS ARE MAINTAINED. PROVIDE FIRE WATCH AT ALL TIMES WHEN SYSTEM IS DISABLED DURING UNOCCUPIED PERIODS.

26.

ENSURE THAT ANY DEVICES LOCATED OUTSIDE OF REMOVAL WORK AREA ARE NOT AFFECTED BY REMOVAL WIRING AND/OR CIRCUITING. WIRING/CONDUIT SHALL BE LEFT IN A SAFE CONDITION, LABELED FOR ITS USE, AND EXTENDED AS REQUIRED TO MAINTAIN CIRCUIT CONTINUITY, INCLUDING ALL APPLICABLE CONTROLS.

27.

PORTIONS OF INITIATION AND NOTIFICATION LOOP RUNS THAT SHALL BE REMOVED OR ABANDONED AS A RESULT OF REMOVAL WORK, BUT WHICH ARE REQUIRED TO REMAIN ENERGIZED, SHALL BE REROUTED AT CONVENIENT LOCATIONS AND RECONNECTED. LOOP EXTENSIONS SHALL MATCH EXISTING WIRING SPECIFICATIONS IN ALL ASPECTS INCLUDING BUT NOT LIMITED TO CABLE TYPE, CONDUIT SIZES, ETC.

28.

ALL UNUSED OUTLET BOXES THAT ARE TO REMAIN SHALL BE PROVIDED WITH MATCHING BLANK COVERS USING SECURE HARDWARE.

UNIFORM CODE COMPLIANCE STATEMENT

TO THE BEST KNOWLEDGE, BELIEF, AND PROFESSIONAL JUDGEMENT OF THE DESIGNERS-OF-RECORD, SUCH PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 UNIFORM CODE OF NEW YORK STATE.

ENERGY CODE COMPLIANCE STATEMENT

TO THE BEST KNOWLEDGE, BELIEF, AND PROFESSIONAL JUDGEMENT OF THE DESIGNERS-OF-RECORD, SUCH PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CONSERVATION CODE OF NEW YORK STATE.



DESIGN & CONSTRUCTION

CONSULTANT

CERTIFICATE OF AUTHORIZATION #: 018416



GHD Consulting Services Inc.

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REGISTRATION EXPIRES:
JUNE 30, 2026

CONTRACT:

ELECTRICAL

TITLE:

PROVIDE FIRE ALARM SYSTEM

LOCATION:

VARIOUS OGS BUILDINGS
EMPIRE STATE PLAZA
ALBANY, N.Y.

CLIENT:

OFFICE OF GENERAL SERVICES

	07/26/2023	ADDENDUM #2
	05/19/2023	BID DOCUMENTS
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	45884-E	
DESIGNED BY:	RGW	
DRAWN BY:	RGW	
FIELD CHECK:	RTK	
APPROVED:	RGW	
SHEET TITLE:		

GENERAL NOTES,
SYMBOL/ABBREVIATION LIST
AND BUILDING CODE DATA

DRAWING NUMBER:

AD-G-002



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REGISTRATION EXPIRES:
JUNE 30, 2026

CONTRACT:

ELECTRICAL

TITLE:

PROVIDE FIRE ALARM SYSTEM

LOCATION:

VARIOUS OGS BUILDINGS
EMPIRE STATE PLAZA
ALBANY, N.Y.

CLIENT:

OFFICE OF GENERAL SERVICES

	07/26/2023	ADDENDUM #2
	05/19/2023	BID DOCUMENTS
MARK	DATE	DESCRIPTION

PROJECT NUMBER:	45884-E
--------------------	---------

DESIGNED BY:

RGW

DRAWN BY:

RGW

FIELD CHECK:

RTK

APPROVED:

ABRAMS BUILDING
SIXTH FLOOR
PLAN

DRAWING NUMBER

AD-A-FA-109

SHEET 36 OF 105

SHEET 36 OF 105

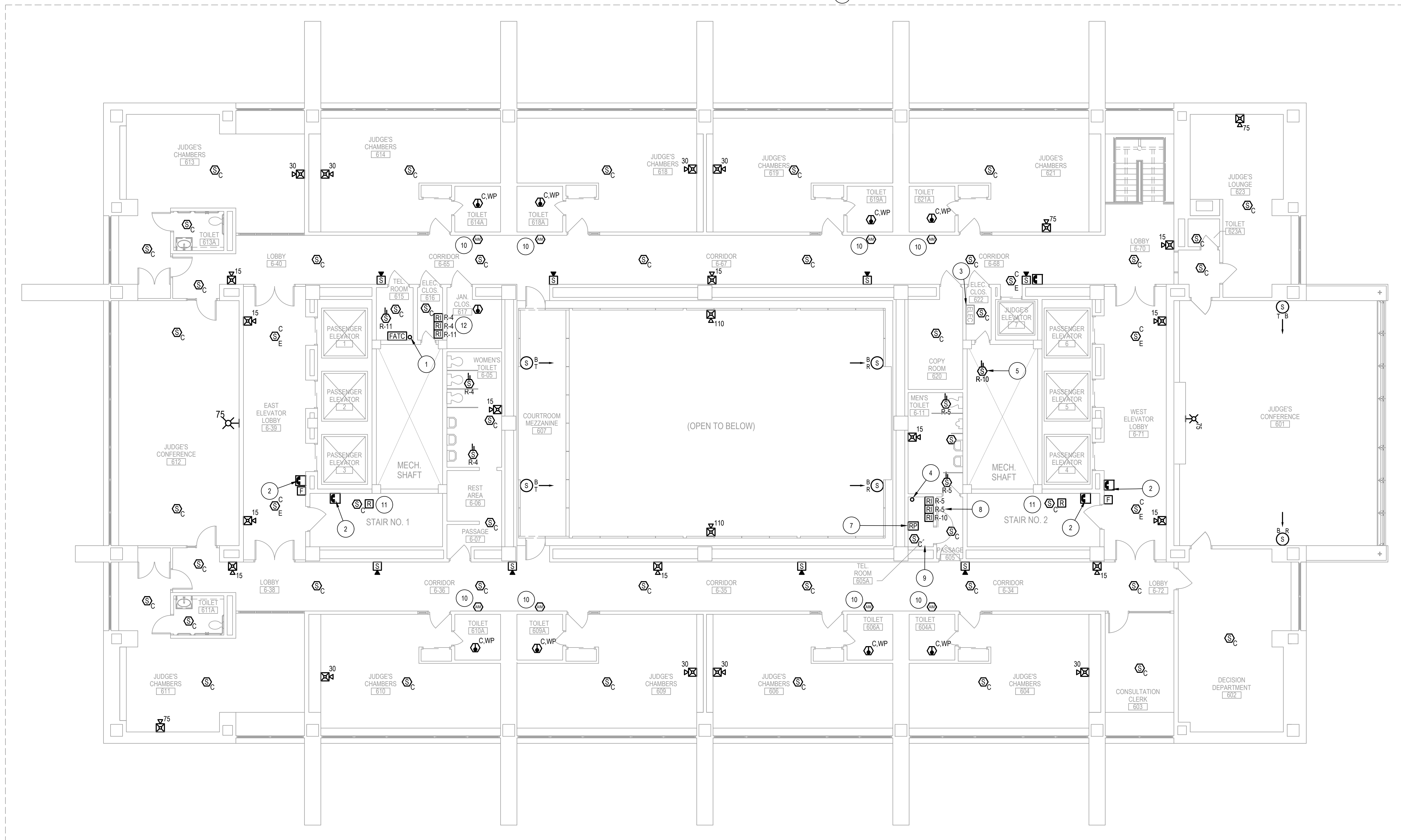
KEYED NOTES:

- 1 FIRE ALARM SUPPLY RISER UP & DOWN
- 2 EXISTING FIRE FIGHTER JOCKS TO REMAIN. PROVIDE CIRCUITS AND CONNECT THE EXISTING JACK TO THE FIRE ALARM SYSTEM.
- 3 EXISTING 120/240 VOLT POWER PANEL LL-6-W.
- 4 FIRE ALARM RETURN RISER UP & DOWN.
- 5 REFER TO DUCT DETECTOR SCHEDULE ON DRAWING A-FA-502. (TYPICAL FOR ALL DUCT DETECTORS)

- | | |
|----|---|
| 6 | NOT USED. |
| 7 | RELAY PANEL RC-6W. PROVIDE SEVEN (7) RELAYS, ONE FOR EACH DUCT DETECTOR AND ONE FOR DOOR CARD READER RELEASE. |
| 8 | DUCT DETECTORS REMOTE INDICATORS. (TYPICAL THROUGHOUT FLOOR 6) |
| 9 | PROVIDE REMOTE TEST SWITCH FOR EACH LINEAR BEAM DETECTOR. |
| 10 | PROVIDE ADDRESSABLE INPUT MODULE IN DESIGNATED SPACE TO MONITOR CONVENTIONAL WEATHERPROOF HED DETECTOR. |
| 11 | SMOKE SENSOR ALARM SHALL BE CIRCUITED TO OPEN THE RESPECTIVE TOP OF STAIR SMOKE HATCH UPON ACTIVATION. PROVIDE RELAY. |
| 12 | PROVIDE REMOTE INDICATORS (RI). |

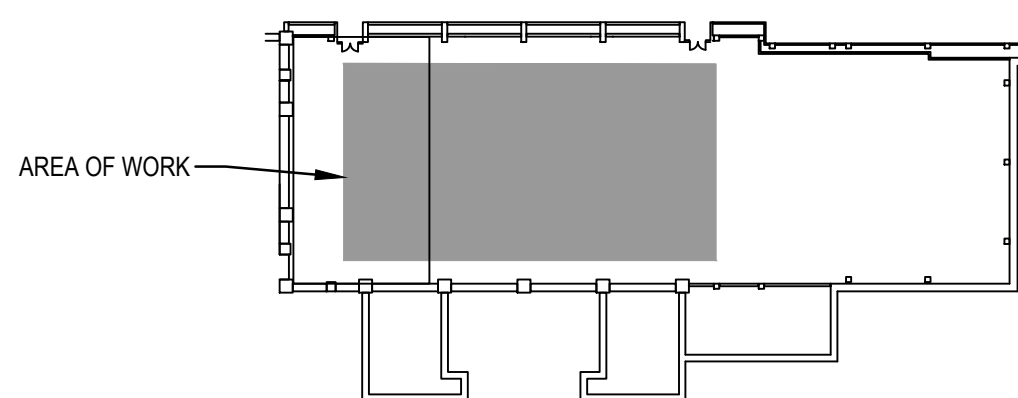
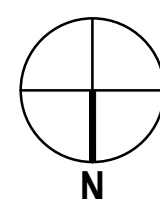
GENERAL NOTES:

- A. PROVIDE A COMPLETE AUTOMATIC FIRE ALARM SYSTEM IN ACCORDANCE WITH NFPA 72 (2016) FOR THE SIXTH FLOOR.
- B. PROVIDE ALL WIRING ABOVE CEILINGS IN AREAS WITH FINISHED CEILINGS (I.E. GYP. ACT.) UNLESS OTHERWISE NOTED. PROVIDE ALL CONDUIT EXPOSED IN AREAS WITH NO FINISHED CEILINGS (I.E. MECHANICAL ROOMS, ELECTRICAL CLOSETS) UNLESS OTHERWISE NOTED.
- C. PROVIDE ALL WIRING WITHIN SURFACE-MOUNTED RACEWAY FOR ALL WALL-MOUNTED FIRE ALARM DEVICES WITHIN FINISHED AREAS. WIRING SHALL NOT BE INSTALLED WITHIN WALLS.
- D. PROVIDE ALL WIRING AND CONDUIT WITH THE REQUIRED SUPPORT/HANGERS. PROVIDE ALL SUPPORTS FROM THE BUILDING STRUCTURAL STEEL.
- E. PROVIDE ALL INITIATING DEVICES IN A MANNER THAT PROVIDES ACCESSIBILITY FOR PERIODIC INSPECTION TESTING AND MAINTENANCE.



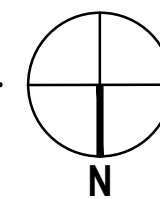
**ABRAMS BUILDING
SIXTH FLOOR PLAN**

SCALE: 1/8" = 1'-0"



KEY PLAN

NO SCALE



SCALE 1/8"=1'-0" AT ORIGINAL SIZE



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REGISTRATION EXPIRES:
JUNE 30, 2026

CONTRACT:

ELECTRICAL

TITLE:

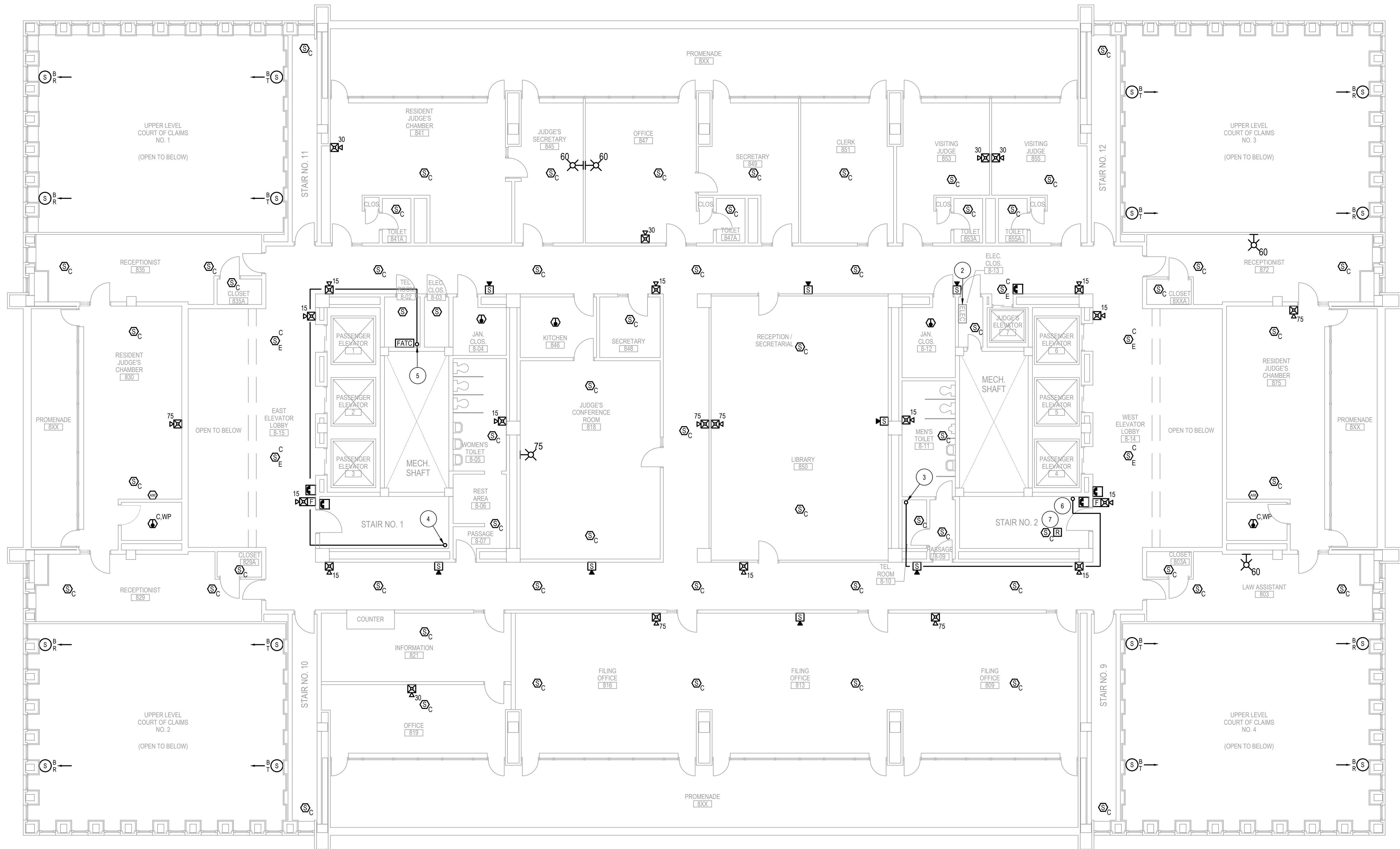
PROVIDE FIRE ALARM SYSTEM

LOCATION:

VARIOUS OGS BUILDINGS
EMPIRE STATE PLAZA
ALBANY, N.Y.

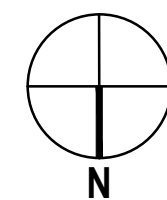
CLIENT:

OFFICE OF GENERAL SERVICES



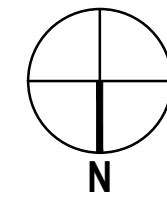
**ABRAMS BUILDING
EIGHTH FLOOR PLAN**

SCALE: 1/8" = 1'-0"



KEY PLAN

NO SCALE



ABRAMS BUILDING
EIGHTH FLOOR
PLAN

DRAWING NUMBER:

AD-A-FA-111

SHEET 38 OF 105



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REGISTRATION EXPIRES:
JUNE 30, 2026

CONTRACT:

ELECTRICAL

TITLE:

PROVIDE FIRE ALARM SYSTEM

LOCATION:

VARIOUS OGS BUILDINGS
EMPIRE STATE PLAZA
ALBANY, N.Y.

CLIENT:

OFFICE OF GENERAL SERVICES

	07/28/2023	ADDENDUM #2
	05/19/2023	BID DOCUMENTS
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	45884-E	
DESIGNED BY:	RGW	
DRAWN BY:	RGW	
FIELD CHECK:	RTK	
APPROVED:	RGW	

SHEET TITLE:

ABRAMS BUILDING
PENTHOUSE LEVEL
PLAN

DRAWING NUMBER:

AD-A-FA-112

SHEET 39 OF 105

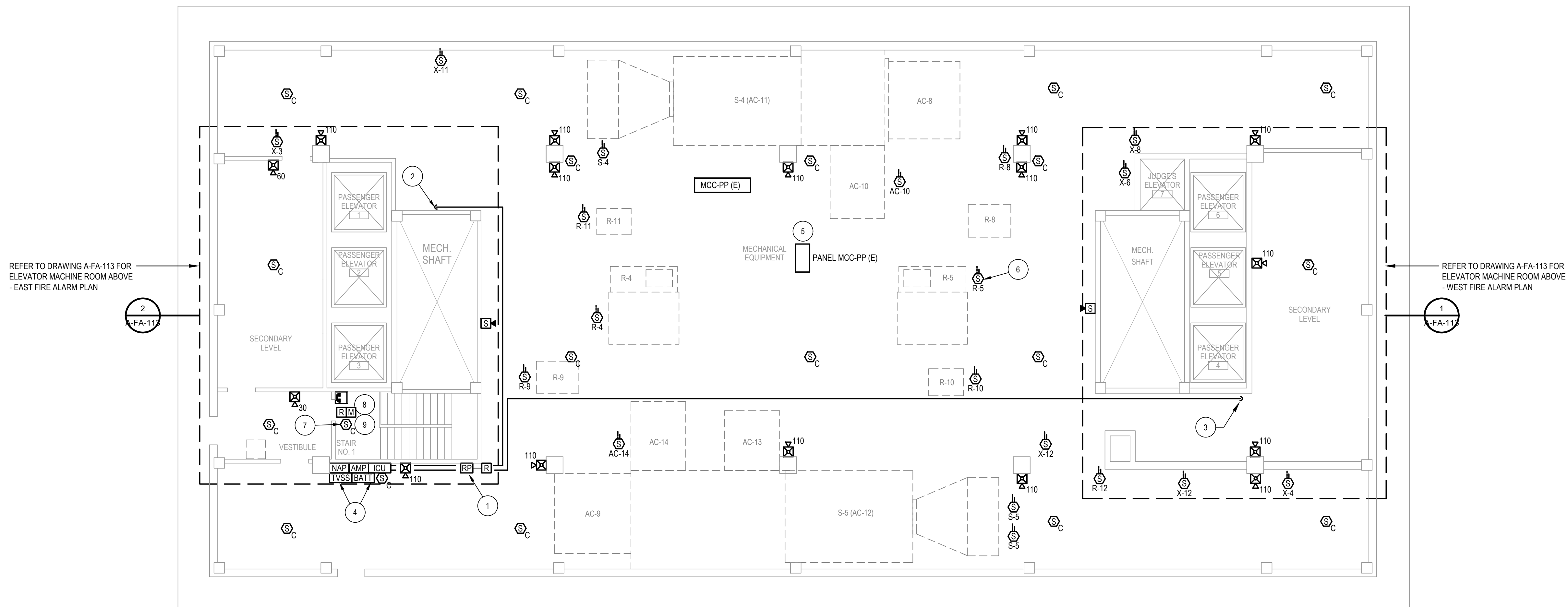
KEYED NOTES:

- 1 DUCT DETECTOR RELAY PANEL. PROVIDE RELAYS, ONE FOR EACH DUCT DETECTOR.
- 2 VERTICAL FIRE ALARM SUPPLY RISER DOWN.
- 3 VERTICAL FIRE ALARM RETURN RISER DOWN.
- 4 PROVIDE POWER FROM EXISTING POWER PANEL MCC-PP FOR THE ICU AND NAP. PROVIDE 120V POWER BRANCH CIRCUITS WITH 2#12, #1212, 3°C TO A SPARE 20A-1P LOCKABLE CIRCUIT BREAKER. PROVIDE TVSS ON EACH POWER CIRCUIT.
- 5 LOCATION OF EXISTING PANEL MCC-PP.
- 6 REFER TO DUCT DETECTOR SCHEDULE ON DRAWING A-F-502. (TYPICAL FOR ALL DUCT DETECTORS)
- 7 SMOKE SENSOR ALARM SHALL BE CIRCUITED TO OPEN THE ADJACENT SMOKE HATCH UPON ACTIVATION. PROVIDE RELAY.

- 8 PROVIDE ADDRESSABLE INTERFACE MODULE FOR MONITORING MANUAL OPERATION OF THE SMOKE HATCH.
- 9 REMOVE EXISTING 120 VAC ACTUATOR. PROVIDE 24VDC ACTUATOR TO REPLACE EXISTING 120 VAC ACTUATOR FOR THE SMOKE HATCH.

GENERAL NOTES:

- A. PROVIDE A COMPLETE AUTOMATIC FIRE ALARM SYSTEM IN ACCORDANCE WITH NFPA 72 (2016) FOR THE PENHOUSE.
- B. PROVIDE ALL WIRING ABOVE CEILINGS IN AREAS WITH FINISHED CEILINGS (I.E. GYP. ACT) UNLESS OTHERWISE NOTED. PROVIDE ALL CONDUIT EXPOSED IN AREAS WITH NO FINISHED CEILINGS (I.E. MECHANICAL ROOMS, ELECTRICAL CLOSETS) UNLESS OTHERWISE NOTED.
- C. PROVIDE ALL WIRING WITHIN SURFACE-MOUNTED RACEWAY FOR ALL WALL-MOUNTED FIRE ALARM DEVICES WITHIN FINISHED AREAS. WIRING SHALL NOT BE INSTALLED WITHIN WALLS.
- D. PROVIDE ALL WIRING AND CONDUIT WITH THE REQUIRED SUPPORT/HANGERS. PROVIDE ALL SUPPORTS FROM THE BUILDING STRUCTURAL STEEL.
- E. PROVIDE ALL INITIATING DEVICES IN A MANNER THAT PROVIDES ACCESSIBILITY FOR PERIODIC INSPECTION TESTING AND MAINTENANCE.

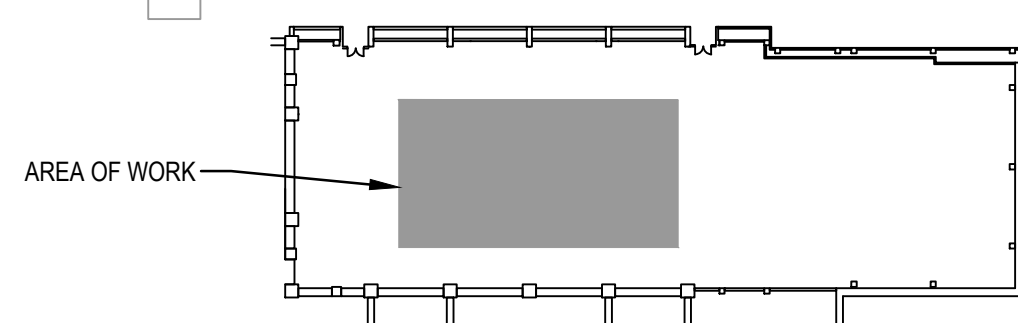
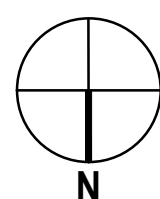


REFER TO DRAWING A-FA-113 FOR
ELEVATOR MACHINE ROOM ABOVE
- EAST FIRE ALARM PLAN

— REFER TO DRAWING A-FA-113 FOR
ELEVATOR MACHINE ROOM ABOVE
- WEST FIRE ALARM PLAN

**ABRAMS BUILDING
PENTHOUSE LEVEL PLAN**

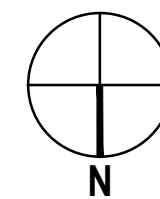
1 PENTHOUSE
A-FA-112 SCALE: 1/8" = 1'-0"



AREA OF WORK—

KEY PLAN

NO SCALE



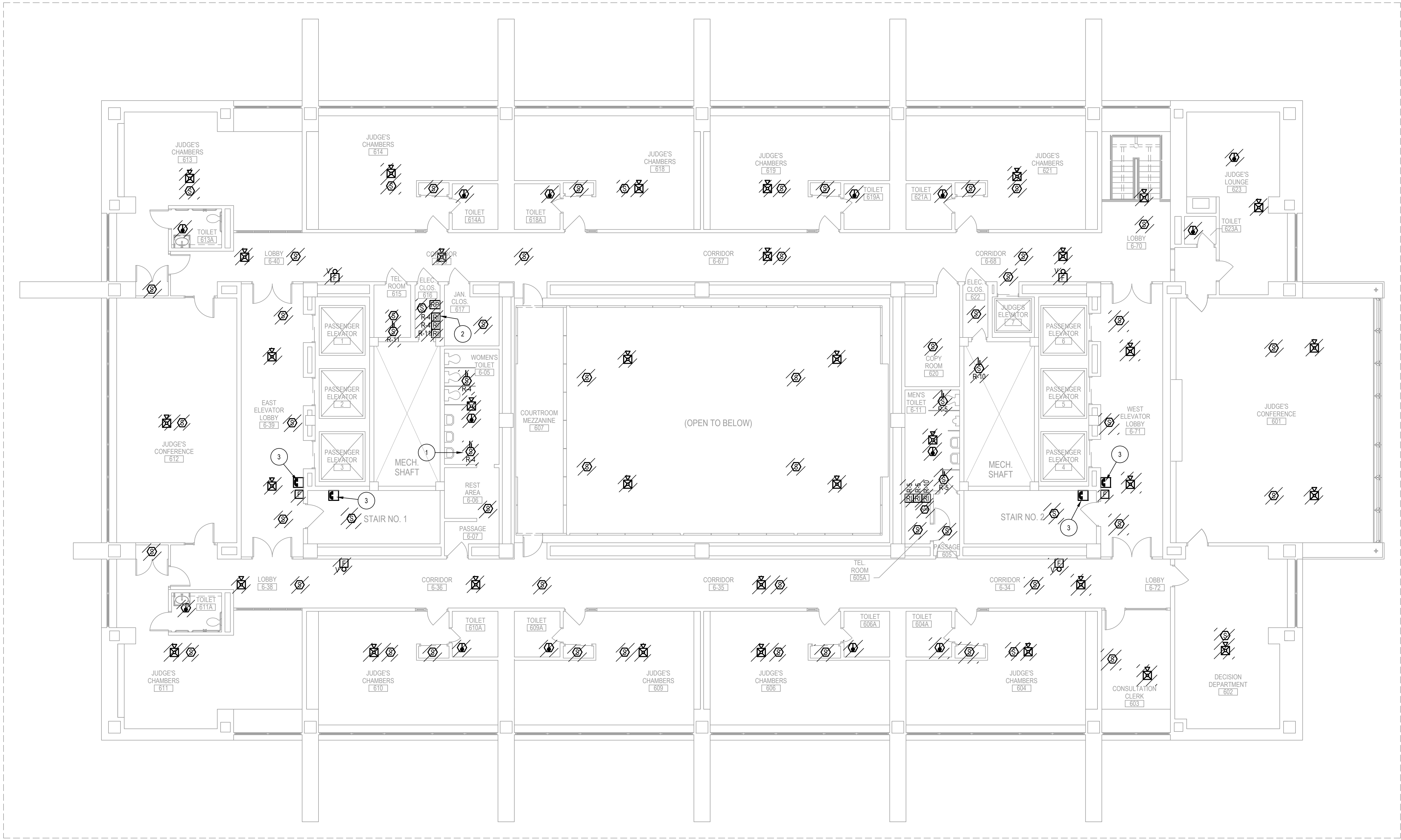
0 4'-0" 8'-0" 12'-0" 16'-0"

SCALE 1/8"=1'-0" AT ORIGINAL SIZE

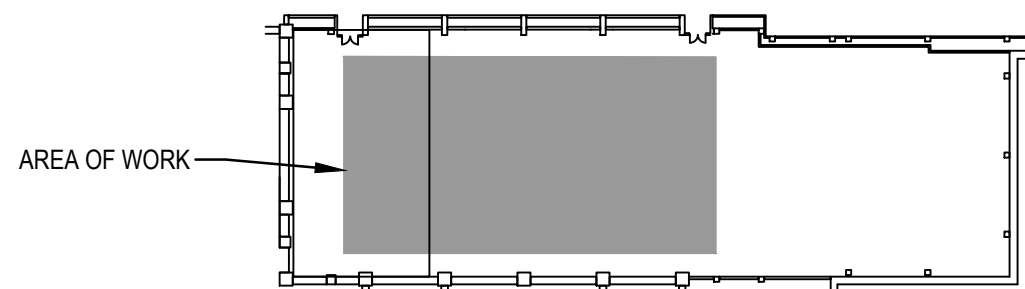
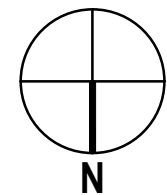
Jul 26, 2023 - 10:27am
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36x24 PLOT SHEET

KEYED NOTES:

- 1 ADDRESSABLE DUCT SMOKE SENSOR ABOVE CEILINGS TO BE REMOVED AND REPLACED. TYPICAL OF ALL DUCT DETECTORS ON THIS FLOOR.
- 2 REMOVE EXISTING REMOTE INDICATORS.
- 3 EXISTING FIRE FIGHTER JACKS TO REMAIN. PROVIDE CIRCUITS AND WIRING TO CONNECT THE EXISTING JACK INTO THE FIRE ALARM SYSTEM.

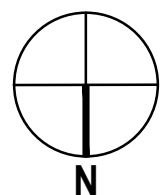


**ABRAMS BUILDING
SIXTH FLOOR REMOVALS PLAN**
A-FAR-109 SCALE: 1/8" = 1'-0"



KEY PLAN

NO SCALE



0 4'-0" 8'-0" 12'-0" 16'-0"
SCALE: 1/8"=1'-0" AT ORIGINAL SIZE



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JUNE 30, 2026

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ELECTRICAL

TITLE:

PROVIDE FIRE ALARM SYSTEM

LOCATION:

VARIOUS OGS BUILDINGS
EMPIRE STATE PLAZA
ALBANY, N.Y.

CLIENT:

OFFICE OF GENERAL SERVICES

	07/26/2023	ADDENDUM #2
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MARK	DATE	DESCRIPTION

PROJECT NUMBER:	45884-E
DESIGNED BY:	RGW
DRAWN BY:	RGW
FIELD CHECK:	RTK
APPROVED:	RGW

SHEET TITLE:

ABRAMS BUILDING
SIXTH FLOOR
REMOVALS PLAN

DRAWING NUMBER:

AD-A-FAR-109